



1. A method for producing a broadcast stream that contains various stream types of audio content, video content, and metadata content comprising:

creating a framework definition that identifies said various stream types in said audio content, said video content and said metadata content associated with a broadcast and attributes [thereof] of said various stream types including the format of said various stream types;

comparing [the] an audio format of said audio content with an audio transmission format and converting said audio content to said audio transmission format if said audio format and said audio transmission format differ;

comparing [the] a video format of said video content with a video transmission format and converting said video content to said video transmission format if said video format and said video transmission format differ;

comparing [the] a metadata format of said metadata content with a metadata transmission format and converting said metadata content to said metadata transmission format if said metadata format and said metadata transmission format differ;

creating a menu describing said audio content, said video content, and said metadata content;

combining said audio content, said video content, and said metadata content into a broadcast stream for transmission to a plurality of receivers that are capable of checking said various stream types to determine which streams of said various stream types may be used by said receivers;

transmitting said menu to said plurality of receivers that are capable of checking said stream type to determine which streams may be used by said receivers; and

transmitting said broadcast stream.

2. The method of claim 1 wherein said framework definition further comprises:

creating a framework definition record for each element of said audio content, said video content, and said metadata content wherein at least one framework definition record includes price information.

3. The method of claim 1 wherein said step of creating a menu further comprises:
 representing [an icon for] each element of said audio content, said video content, and said metadata content with an icon; and
 assigning a logo to said menu.
4. The method of claim 1 wherein said step of converting metadata content further comprises [an image file]:
 determining if said metadata content is an image file.
5. The method of claim [1] 4 wherein said step of converting said metadata content further comprises:
 loading said image file;
 loading a file conversion definition;
 converting said file using said conversion definition; and
 outputting a converted image file.
6. A method for rendering portions of a broadcast stream that contains audio content, video content, and metadata content and a menu indicating the contents of said audio content, video content, and metadata content comprising:
 transferring preloaded metadata associated with said broadcast stream to a receiver that is capable of checking stream type to determine which streams may be used by said receiver prior to transmission of said broadcast stream;
 storing said preloaded metadata;
 receiving said broadcast stream;
 displaying said menu wherein said menu includes an icon representing said preloaded metadata;
 receiving a user input; and
 rendering said preloaded metadata during airing of said broadcast stream in response to said user input.

7. A system for combining multiple media and metadata streams having content into a framework for distribution of [the] said content to a viewer, comprising:
- at least one video source having an output;
 - at least one audio source having an output;
 - at least one metadata source having an output;
 - a framework controller that receives said video source, audio source, and metadata source and produces an omnimedia package integrating said outputs of said video source, said audio source, and said metadata source into a framework;
 - a framework definition module that interfaces with said framework controller and defines all content to be used in [the] said omnimedia package, said content comprising various stream types for transmission to a plurality of receivers that are capable of checking said various stream types to determine which streams of said various stream types may be used by said receivers; and
 - a delivery module that receives said omnimedia package from said framework controller and transmits said omnimedia package to a receiver. [;and]
- [a receiver that receives and distributes the content of said omnimedia package to display devices and audio outputs, said receiver further coupled to at least one user input device for providing interactivity between said viewer and the receiver.]